6-Vessel Dissolution Tester, 25-250 rpm, RT-45°C ±0.2°C, Basket and Paddle, Touch Screen

Model **MSDIST-606SWISS** | Brand **Master Science**





The 6-Vessel Dissolution Tester tests tablet and capsule dissolution with six vessels and six shafts. It supports pharmacopoeia Method 1 (basket) and Method 2 (paddle) as standard, with Method 3 (small vessel), Method 4 (paddle over disk) and Method 5 (rotating cylinder) available as options, and its paddles and baskets meet pharmacopoeia specifications.

KEY HIGHLIGHTS

- Compact Six-Position Bath
- Expandable Methods
- Accurate Temperature
- Traceable Operation

AT A GLANCE

≤ 0.5% SPEED ACCURACY	**Pt1000 control holds ±0.2°C.** TEMPERATURE DRIFT BETWEEN VESSELS
25-250 rpm STIRRING SPEED	**±0.2°C / ±0.2°C** BATH / MEDIUM CONTROL ACCURACY

Request a Quotation
Contact us for pricing, configuration options and delivery details.

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Overview

Shafts turn at 25-250 rpm in either direction with 0.01 rpm resolution and ≤ 0.5% speed error, while the bath holds room temperature to 45°C within ±0.2°C using a Class 1/3B Pt1000 sensor. The 6-Vessel Dissolution Tester offers manual synchronous or sequential dosing, electric head lifting, a drained water bath, permission management, audit trail and a 7-inch touch screen.

For higher throughput, see our 12-Vessel Dissolution Tester, the larger sibling of the 6-Vessel Dissolution Tester.

Basic dissolution baths cause the issues below. The 6-Vessel Dissolution Tester resolves each one.

Key Benefits

Compact Six-Position Bath
Six vessels suit routine QC and smaller labs.

Expandable Methods
Add small vessel, paddle over disk or rotating cylinder as needed.

Accurate Temperature
Pt1000 sensing holds ±0.2°C.

Traceable Operation
Permissions and audit trail record user actions.

Technical Specifications

UNDEFINED	
Brand	Master Science
Model Number	MSDIST-606SWISS
SKU	MSDIST-606SWISS
Configuration	6 vessels, 6 shafts
Standard Methods	Basket (Method 1), paddle (Method 2)
Optional Methods	Small vessel (Method 3), paddle over disk (Method 4), rotating cylinder (Method 5)
Stirring Speed	25-250 rpm
Speed Resolution	0.01 rpm
Speed Accuracy	**≤ 0.5%**
Stirring Direction	Clockwise / counterclockwise
Paddle / Basket Wobble	≤ 0.5 mm / ≤ 0.5 mm
Shaft-to-Vessel Centering	≤ 1 mm
Water Bath Temperature	Room temperature to 45.00°C
Temperature Resolution	0.01°C
Bath / Medium Control Accuracy	**±0.2°C / ±0.2°C**
Temperature Sensor	Class 1/3B Pt1000
Dosing	Manual synchronous or sequential
Lifting	Electric telescopic single-column lift
Permission Management	3 levels, 7 users
Audit Trail	128 entries × 366 days
Display	7-inch LCD touch screen
Noise	< 60 dB
Operating Conditions	5-37°C, RH ≤ 80%
Power Supply	220 V, 50 Hz

PROBLEMS THE 6-VESSEL DISSOLUTION TESTER SOLVES	
Temperature drift between vessels	Pt1000 control holds ±0.2°C.
Shaft wobble affecting results	Wobble is held to ≤ 0.5 mm.
No record of who ran tests	Permissions and audit trail track users.

DIMENSIONS & WEIGHT

Manual height setting errors	An automatic height-positioning clutch sets the shaft.

Applications

- **Tablet and capsule dissolution testing**
- **Pharmaceutical quality control**
- **Formulation development**
- **Pharmaceutical research and development labs**

Stirring

- 25-250 rpm, 0.01 rpm resolution
- Clockwise and counterclockwise
- Automatic height-positioning clutch
- Adjustable shaft system

Temperature

- Room temperature to 45°C
- ±0.2°C bath and medium accuracy
- Class 1/3B Pt1000 sensor
- Water bath drain for cleaning

Operation and Compliance

- Manual synchronous or sequential dosing
- Electric head lifting
- Permission management and audit trail
- 7-inch LCD touch screen

Standard Accessories Included

- 6-vessel dissolution tester main unit
- Paddles and baskets

Optional Accessories

- Small vessel, paddle-over-disk and rotating cylinder kits
- Full-data high-precision dissolution vessels